

IMPACT OF CHRONIC CONDITIONS BEAUFORT County, 2001



In the year 2001, the leading causes of death among South Carolinians were heart disease, cancer, stroke, accidents, chronic lower respiratory disease, diabetes, pneumonia, influenza, Alzheimer's disease, septicemia, nephritis, nephritic syndrome and nephrosis. This report focuses on the chronic conditions of the population of Beaufort county, and is compared to the overall chronic conditions of the population of South Carolina as a whole.

The population size of Beaufort county to date is 125,212. The majority (38%) of the population in Beaufort county are between ages of 18-44. There are more males than females. Beaufort County's minority population (26%) is lower than the state (31%). The elderly population (15%) is higher than the state (11%). When adults in Beaufort county were asked about there general health status, 84.2% reported having excellent, very good or good health in 2001 (SC was 85%).

	BEAUFORT COUNTY	STATE
Population size	125,212	4,063,011
Age distribution (%)		
<18	24	25
18-44	38	40
45-64	22	23
65-84	14	11
85+	1	1
Race (%)		
White	74	69
Black & Other	26	31
Sex (%)		
Male	51	49
Female	49	51

In spite of the overall reports of good health given by the citizens of the Palmetto State, chronic conditions are still making an impact on the health of many South Carolinians. Through primary and secondary prevention we hope to reduce the risk factors that contribute to the major chronic diseases and leading causes of death among South Carolinians.

The chart below contains the risk factors that contribute to an increased risk of developing a chronic condition. These risk factors are related to the major causes of morbidity and mortality among South Carolinians. Some common behavioral risk factors that contribute to the leading causes of death are smoking, sedentary lifestyle, obesity, and high cholesterol. The prevalence of these risk factors from the 2001 South Carolina Behavioral Risk Factor Surveillance System (BRFSS) survey are listed in the table below for Beaufort County.

RISK FACTOR	COUNTY (%)	STATE (%)
Current smoking	30	26
Sedentary lifestyle	43	40
Overweight	38	57
High Cholesterol	21	28

Some preventive measures such as immunization were included in the 2001 SC BRFSS. For persons age 65 years and older in South Carolina:

33.8% have not received the flu shot in the past 12 months

42.1% have never had the pneumonia vaccination

Hospital/ER data in the following tables include ONLY those cases treated in SC hospitals. Cases treated in hospitals outside of SC are NOT included.

HYPERTENSION	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	26.1	.	.	.	.	28.6
Number of hospitalizations	140	88	52	59	81	5,141
Standard rate of hospitalizations (per 100,000)	109	357	48	94	121	129
Median age of hospitalized patients	63	53	73	63	63	63
Total cost of hospitalization (\$)	1,754,000	1,005,500	748,500	764,700	989,300	69,702,200
Average length of hospital stay (days)	4	4	4	4	4	5
Number of ER visits	217	157	60	82	135	7,398
Standard rate of ER visits (per 100,000)	174	605	55	136	207	184
Median age of ER patients	53	48	68	53	53	53
Total cost of ER visits (\$)	161,400	107,100	54,300	63,500	97,900	5,124,800
Number of deaths*	7	3	4	6	1	336
Standard death rate (per 100,000)*	6	10	4	10	2	8

HEART DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	4.01	.	.	.	.	4.15
Number of hospitalizations	636	190	446	348	288	30,127
Standard rate of hospitalizations (per 100,000)	465	841	397	560	390	749
Median age of hospitalized patients	68	68	68	68	73	68
Total cost of hospitalization (\$)	13,991,100	2,955,000	11,036,100	7,984,700	6,006,400	803,069,600
Average length of hospital stay (days)	3	4	3	3	4	5
Number of ER visits	52	13	39	32	20	2,753
Standard rate of ER visits (per 100,000)	36	58	30	47	27	69
Median age of ER patients	68	68	68	68	68	63
Total cost of ER visits (\$)	315,200	63,700	251,500	217,800	97,400	8,890,500
Number of deaths*	206	44	161	116	90	9,496
Standard death rate (per 100,000)*	165	139	175	183	146	233

STROKE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	3.2	.	.	.	.	2.45
Number of hospitalizations	336	92	244	158	178	14,626
Standard rate of hospitalizations (per 100,000)	246	411	213	251	240	374
Median age of hospitalized patients	78	73	78	73	78	73
Total cost of hospitalization (\$)	4,752,700	1,452,800	3,299,900	2,280,200	2,472,500	255,038,000
Average length of hospital stay (days)	4	6	4	4	4	6
Number of ER visits	73	21	52	40	33	2,754
Standard rate of ER visits (per 100,000)	55	88	48	66	46	70
Median age of ER patients	68	58	73	63	73	73
Total cost of ER visits (\$)	213,400	59,100	154,300	111,700	101,700	5,239,900
Number of deaths*	94	29	65	42	52	2,829
Standard death rate (per 100,000)*	75	92	71	66	84	70

CHRONIC OBSTRUCTIVE PULMONARY DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	326	120	206	138	188	15,100
Standard rate of hospitalizations (per 100,000)	252	382	192	225	273	377
Median age of hospitalized patients	63	18	73	58	68	58
Total cost of hospitalization (\$)	3,229,400	697,600	2,531,800	1,344,900	1,884,500	159,179,500
Average length of hospital stay (days)	4	3	5	4	4	5
Number of ER visits	807	511	296	353	454	42,599
Standard rate of ER visits (per 100,000)	659	1,517	314	587	755	1,053
Median age of ER patients	33	23	43	23	38	33
Total cost of ER visits (\$)	575,300	317,100	258,200	242,600	332,700	24,732,100
Number of deaths*	39	2	37	18	21	1,728
Standard death rate (per 100,000)*	31	6	40	28	34	43

DIABETES	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	8.93	.	.	.	.	8.13
Number of hospitalizations	178	104	74	72	106	8,620
Standard rate of hospitalizations (per 100,000)	144	408	79	128	163	213
Median age of hospitalized patients	53	53	53	55	53	53
Total cost of hospitalization (\$)	2,606,600	1,409,500	1,197,100	1,160,300	1,446,300	115,143,100
Average length of hospital stay (days)	7	7	6	7	6	6
Number of ER visits	211	148	63	92	119	8,748
Standard rate of ER visits (per 100,000)	165	566	63	155	183	217
Median age of ER patients	53	53	68	58	53	53
Total cost of ER visits (\$)	160,700	102,700	58,000	76,200	84,500	6,417,300
Number of deaths*	18	10	8	8	10	1,089
Standard death rate (per 100,000)*	14	32	9	13	16	27

ALL CANCERS	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	600	183	417	226	374	24,857
Standard rate of hospitalizations (per 100,000)	456	714	373	352	558	618
Median age of hospitalized patients	63	48	68	73	58	58
Total cost of hospitalization (\$)	12,229,400	2,966,700	9,237,000	5,018,600	7,210,800	528,562,000
Average length of hospital stay (days)	6	6	5	6	5	6
Number of deaths*	251	60	190	147	104	8,262
Standard death rate (per 100,000)*	201	190	206	232	168	203

COLORECTAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	49	13	36	27	22	2,057
Standard rate of hospitalizations (per 100,000)	35	54	30	42	29	52
Median age of hospitalized patients	73	53	73	68	73	68
Total cost of hospitalization (\$)	1,863,200	346,900	1,516,300	1,050,400	812,800	65,269,600
Average length of hospital stay (days)	10	10	10	9	11	10
Number of deaths*	18	7	11	9	9	818
Standard death rate (per 100,000)*	14	22	12	14	15	20

BREAST CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	20	3	17	.	20	1,650
Standard rate of hospitalizations (per 100,000)	15	13	16	.	28	41
Median age of hospitalized patients	65	58	68	.	65	63
Total cost of hospitalization (\$)	201,200	30,100	171,100	.	201,200	19,973,100
Average length of hospital stay (days)	2	2	2	.	2	2
Number of deaths*	20	6	14	1	19	595
Standard death rate (per 100,000)*	16	19	15	2	31	15

CERVICAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	3	1	2	.	3	255
Standard rate of hospitalizations (per 100,000)	2	5	2	.	4	6
Median age of hospitalized patients	63	73	48	.	63	48
Total cost of hospitalization (\$)	50,900	19,700	31,200	.	50,900	3,859,300
Average length of hospital stay (days)	5	8	4	.	5	4
Number of deaths*	1	-	1	.	1	69
Standard death rate (per 100,000)*	2	-	1	.	2	3

LUNG CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	52	9	43	24	28	2,294
Standard rate of hospitalizations (per 100,000)	36	40	36	36	36	57
Median age of hospitalized patients	70	68	73	73	68	68
Total cost of hospitalization (\$)	976,200	164,400	811,800	333,600	642,600	60,724,100
Average length of hospital stay (days)	6	10	5	4	7	8
Number of deaths*	81	13	67	52	29	2,543
Standard death rate (per 100,000)*	65	41	73	82	47	63

PROSTATE CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	44	8	36	44	.	1,335
Standard rate of hospitalizations (per 100,000)	31	36	30	70	.	33
Median age of hospitalized patients	73	75	73	73	.	68
Total cost of hospitalization (\$)	844,800	140,300	704,500	844,800	.	21,303,500
Average length of hospital stay (days)	4	4	4	4	.	4
Number of deaths*	25	8	17	25	.	499
Standard death rate (per 100,000)*	40	25	18	40	.	25

*Mortality data were provided by Division of Biostatistics, Office of Public Health Statistics and Information Systems, DHEC using IDC-10 codes.

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